

Data Network Environment Assessment



Systems Overview

➤ *Major Connected LANS*

This assessment reviews all the LAN connectivity as a single network, it is significant to note that the Police, Housing, Water & Sewerage, Public Lighting, and Department of Transportation divisions all have separate network operations and manage their network connections between departmental sites.

➤ *Video*

The video conferencing / video arraignment network is made up of dial up ISDN connections. Two video conferencing units are located in each Police Precinct, one in the cell block and one in a conference room for witnesses. Two court rooms and one conference room at the 36th District Court have video conferencing units. Each unit uses 3 ISDN PRI lines. This configuration allows three simultaneous video conferences between the precincts and court.

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Wide Area Transport

➤ *Current Services and Providers*

The City primarily utilizes Ameritech for leased data network connectivity and in a few limited locations, the City owns fiber optic cable installed primarily in the PLD conduit system. The services from Ameritech include point-to-point digital data circuits (56K T-1, T-3), point-to-point analog data circuits (including alarm and signaling), and dial-up digital circuits (ISDN).

➤ *Private Transport Services*

The DRMS network use three City owned fiber connections pulled through the PLD conduit. Both fibers originate from the Municipal Center, with one fiber cable terminating in the Police Department headquarters and the other terminating at the Water Board. New fiber was installed from Water and Sewerage Department to Cadillac Tower. A private wireless link provides a redundant link between the Municipal Center and the Water Board Building.